

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

: 09/825,423

Confirmation No. 2057

**Applicant** 

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Patricia C. Weber et al.

Filed

:

April 3, 2001

TC/A.U.

:

1652

Examiner

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Lindsay T. Odell

Docket No.

:

ID01152

Customer No.

24265

December 14, 2005

Mailstop: Amendment Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

## **INFORMATION DISCLOSURE STATEMENT**

Applicants respectfully request that the documents listed on the accompanying form PTO-1449 be considered and made of record in the above-identified application. Copies of the documents listed have already been provided along with the previous submission dated August 31, 2001. Applicant's submission of this Information Disclosure Statement is not an admission that any reference cited herein qualifies as prior art.

Respectfully submitted,

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: ID01152

SERIAL NO.: 09/825,423

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT: Patricia C. Weber, et al.

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(Use several sheets if necessary)						FILING DATE: April 3, 2001		GROUP: 1652		
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*EXAMINER		DOCUMENT	DATE		NAM		CLASS	SUB-	FILING D	DATE IF
INITIAL		NUMBER				<u> </u>		CLASS	APPROF	PRIATE
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		HER DOCUMENT								
	AG	Cho et al., "Crystal s	structure of	RNA helic	case from	genotype 1b h	epatitis C	virus. A	feasible	
		mechanism of unwir	nding duple:	x RNA." J	Biol Che	em. 1998 Jun 12	2; 273(24)	:15045-5	2.	- d - d
	AH	de la Cruz et al., "Ur					DEAD-DO	x protein	s and rei	ated
	ΔΙ	families", <i>Trends Bio</i> <i>Fields Virology</i> , 3 <sup>rd</sup> E					1006\ n	615		
	AJ	Gorbalenya et al., "A							ntaining	
	73	proteins which are p	robably inv	olved in d	uplex un	winding in DNA	and RNA	replication	on and	
		recombination." FE	•		-	_				
	AK	Gorbalenya and Koo						nd structu	re-functi	on
		relationships", Curre	ent Opinion	in Structu	ıral Biolog	gy, 1993 <b>3</b> :419-	429.			
	AL	Grakoui <i>et al.</i> , "Expr	ession and	identifica	tion of he	patitis C virus p	oolyprotei	n cleavag	je produc	cts",
		J Virol. 1993 Mar; 67	_ \							
i	AM	Howe et al., "A nove		_		=	NS3-NS4/	A protein	with imp	roved
· · · · · · · · · · · · · · · · · · ·	A N I	helicase activity", P					directions	l motor fo	or unwind	ding
	AN	Jankowsky et al., "T RNA", Nature. 2000	-			nocessive and	directions			ung
	AO	Kadaré and Haenni,	"Virus-enc	oded RNA	A helicase	es" <i>J Virol</i> . 1997	7 Apr; <b>71</b> (	<b>4)</b> :2583-9	90. Revie	w. No
·		abstract available.			<del></del> .					
	AP	Kim et al., "Hepatitis structure provides in								ystai
	AQ									tivities
		of the hepatitis C vir	_							
	AR	Koonin and Dolja, "E								
		comparative analysi						ol. 1993;	<b>28(5)</b> :37	5-430.
		Review. Erratum in								<u> </u>
	AS	Korolev et al., "Com								
		similarities between 10.	Sr I and S	rz super-	ianilles (	of Helicases, P	ioteiri Sci	. 1330 1016	ai, /(3).0	005-
	AT	Lohmann <i>et al.</i> , "Pro	ncessing na	thways of	the hena	atitis C virus pro	oteins". J	Henatol	1996: <b>24</b>	(2
	<b> </b>	Suppl):11-9. Review		iiiiiiayo o	the hope	anno o mao pro	, , ,	, roparon	.000,	<b>\</b> _
	AU	Pause and Sonenbe		ses and F	NA unwi	nding in transla	tion", Cur	r Opin in	Struct B	iol
	_	<b>3</b> :953-959 (1993).	_							
-	AV	Shuker et al., "Disco	overing high	-affinity li	gands for	proteins: SAR	by NMR"	, Science	. 1996 N	ov 29;
		<b>274(5292)</b> :1531-4.			<del></del>		<del></del>			<del></del>
	AW	Suzich et al., "Hepa								atase
		and comparison with	n the related	a pestiviri	is and tia	vivirus enzyme	s.", J Viro	ii. 1993 O	ct;	
	AX	<b>67(10)</b> :6152-8. Yao et al., "Structure	a of the han	atitie C vi	rus RNA	helicase doma	in" Nat S	truct Biol	1997 li	in.
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Approved for use through 07/31/2006. OMB 0651-0032

DEL LInder HE STATE STAT U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under tto Panerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMR control number.

Effective on 12/08/2004.

Fee Dursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). Complete if Known 09/825423 **Application Number** FEE TRANSMITTAL 04/03/2001 Filing Date For FY 2005 WEBER, Patricia C. First Named Inventor Odell, Lindsay **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 1652 Art Unit

TOTAL AMOUNT OF PAYM	IENT (\$)	) 180.00		Attorney Docke	t No. ID0	1152		
METHOD OF PAYMENT	(check al	I that apply)				,- <u>.</u>		
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FEE CALCULATION								
1. BASIC FILING, SEAR	FILING			CH FEES Small Entity		TION FEES		
Application Type	Fee (\$)	Fee (\$)	Fee (\$)		<u>Fee (\$)</u>	Fee (\$)	Fees Paid (\$)	
Utility	300	150	500	250	200	100		
Design	200	100	100	50	130	65		
Plant	200	100	300	150	160	80		
Reissue	300	150	500	250	600	300		
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2. EXCESS CLAIM FEES Fee Description Each claim over 20 or, for Each independent claim of Multiple dependent claims	Reissues, ver 3 or, f	for Reissues, each	indeper	ndent claim me	ore than in t	he original p	patent 200 106 360 186	(\$) 5 0
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3. APPLICATION SIZE F If the specification and of for each additional 5  Total Sheets - 100 =	drawings o	or fraction thereo	f. See 3:		(1)(G) and 3 or fraction the	37 CFR 1.166 ereof <u>Fee</u>	(s).	
4. OTHER FEE(S)				ı.			Fees Paid	<u>(\$)</u>
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Other: IDS fee							<u> 180.00</u>	

SUBMITTED BY			
Signature	Zaradie	Registration No. (Attorney/Agent) 45,997	Telephone 908-298-7221
Name (Print/Type	Sandy Zaradic		Date Dec. 14, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.